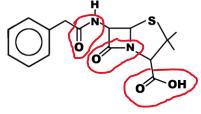
First /Last Name:

1. Write the IUPAC name for the following compound:

5-ethyl-2-methylnonane

2) Circle and name all functional groups on the following compound (Penicillin)



7)

aldehyde

Amide, amide and carboxylic acid

3) Match the name of the functional group with its structure (not all will be used, those that are used are used only once). Write the letter of the structure on the left next to the name on the right.

		0
A)	H ₃ C-CH ₂ -CH ₂	С—ОН

1) ester <u>I</u>

 H_2C CH—OH

2) organic halide _____

B) H_2C' C) H_3C-CH_2-N

D)

- 3) ketone <u>E</u>
- 4) alcohol B
- \mathbf{E}) $\mathbf{H}_{3}\mathbf{C}$ \mathbf{C} \mathbf{C}
- 5) amine <u>C</u>
- $\mathbf{G}) \qquad \mathsf{H_3C} \mathsf{C} = \mathsf{C} \mathsf{CH_2} \mathsf{C} \mathsf{NH_2}$
- 6) ether <u>H</u>
- H) $H_3C \longrightarrow O \longrightarrow CH_3$ $\downarrow \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \qquad \downarrow \qquad \qquad \qquad$
- 8) carboxylic acid A
- 9) amide <u>G</u>